

U.S. Navy F-16N



GENERAL DYNAMICS

F-16N FIGHTING FALCON

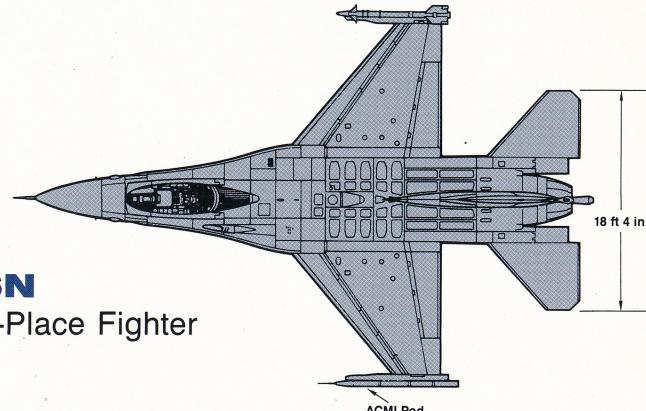


The world's most sought-after multirole fighter has taken on another role — that of advanced adversary fighter for the U.S. Navy. The F-16's capabilities are ideally suited to the Navy's requirements for high performance, good range/persistence without external fuel tanks, modern weapons, sustained high readiness and utilization rates, and low operating and support costs. Simulating the latest Soviet fighters, the F-16N is used to train Navy and Marine Corps tactical aircrews in air combat.

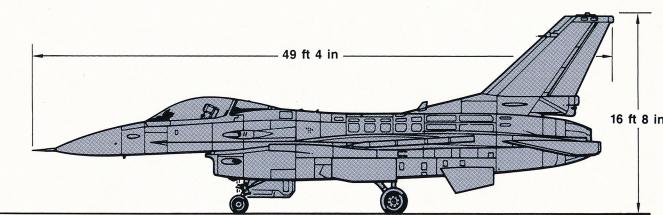
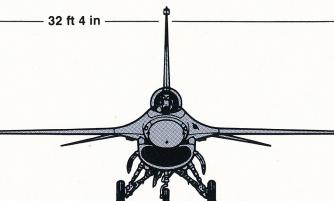
F-16N Configuration The F-16N is a derivative of the F-16C multirole fighter in service with the U.S. Air Force and several allied nations and is powered by the F110-GE-100 engine. The TF-16N two-seat version is nearly identical except for the second cockpit and less internal fuel capacity. The F-16N features a state-of-the-art cockpit and avionics suite. Combat equipment not found in previous adversary aircraft includes the multimode radar (APG-66), radar warning set (ALR-69), and chaff/flare dispenser (ALE-40). The F-16N is fully compatible with AIM-9 series missiles and the latest ACMI/TACTS pods. The F-16N has the growth potential to simulate the next generation of threat fighters. Growth capability includes radar enhancements, radar missile compatibility, IFF interrogator, digital data link, internal ECM, digital flight control with "dial-a-threat" performance selection, an advanced mission playback/evaluation system, either of the Increased Performance Engines (29,000-lb thrust class), and various upgrades being incorporated on other F-16 versions.

Operating Units The F-16N will be flown by the prestigious Navy Fighter Weapons School ("Top Gun") as an adversary for Top Gun training and for training and certification of Naval Adversary pilots. The school is located at NAS Miramar, California, sometimes known as "Fightertown USA." The F-16N will also be operated by two of the Navy's adversary squadrons, VF-126 and VF-45, sometimes known as "enemies of the fleet." Fighter Squadron 126 (Bandits) is the Pacific Fleet Adversary Squadron and is also located at NAS Miramar. Fighter Squadron 45 ("Blackbirds") provides adversary support for the Atlantic fleet and is stationed at NAS Key West, Florida.

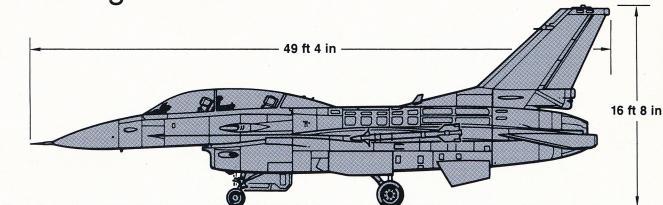
Enhanced Naval Aviation As an adversary the F-16N provides those wearing the Wings of Gold a stiff challenge in the air — thereby helping to provide the fleet the best trained aircrews in the world.



F-16N
Single-Place Fighter



TF-16N
Two-Place Fighter/Trainer



Wing Area	300 sq ft
Weight — Empty	17,278 lb
Internal Fuel (JP-5)	7,294 lb
Fighter TOGW	25,471 lb
Max TOGW	37,500 lb
F110-GE-100 Engine Thrust	25,000 lb
Design Load Factor	9g
Service Life	6,000 hrs